

Citizens of North Carolina will realize enormous benefits thanks to the NC ECONet. In addition to providing real-time information to everyone on wind, temperature, humidity, precipitation, and soil moisture, NC ECONet will provide valuable assistance to a wide range of interests. The chart below is a composite of several reports on the value of weather and climate data for just a few applications in North Carolina.

Application	How NC ECONet will Help	\$ NC ECONet will save
<b>Crop Management</b>	Planting, watering, frost protection, and harvesting. 6% of planted acreage lost due to weather events.	\$ 4 million per year
<b>Pest Management</b>	Number and timing depends on accurate local weather information.	\$ 14.4 million per year
<b>Drought forecast/mitigation</b>	Continuous and accurate monitoring of rainfall, soil moisture, and surface weather conditions.	\$ 25 million every drought year
<b>County Economic Development</b>	Reliable, county-scale information on weather and climate for industrial establishment and/or relocation.	\$ 1 to 2 million in new tax revenue for the State
<b>Public Safety and Emergency Management</b>	Continuous information for planning, scheduling, relocation, and distribution of state, federal, and private resources during emergency situations.	Lives and \$ 10 million per year
<b>Energy Planning</b>	Accurate information on short and long term weather forecasts for estimating and handling energy requirements.	\$ 12 million per year
<b>Tourism</b>	Increased tourism and improved planning through accurate weather information from beaches to mountains.	\$ 10 million per year
<b>Technological Disasters</b>	Provide critical weather information for transport of toxins, aid in evacuation planning and management, and assist with emergency preparedness and response.	Lives

Additionally, the NC ECONet will assist various state departments by providing a continuous, dedicated, and accurate means for:

- *Agriculture and Consumer Services Allocation*
- *Land and Air Transport Decisions*
- *Environmental and Water Resources Management*
- *Insurance and Disaster Assessment*
- *State Planning*
- *Community Resource Information*
- *Watershed Management*
- *Water Supply Protection*
- *Information for FEMA*
- *Land Resource Development*
- *Water Quality Assessment*
- *Education and Training of K-12 and college students*
- *Transport and Dispersion of Toxins*

Greater efficiency and accuracy in these areas could save the state millions of dollars per year.